

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A network bus coupler mountable on a circuit card, the network bus coupler comprising:

a housing;

electrical isolation circuitry disposed within the housing; and,

connectors disposed exterior of the housing and electrically coupled to the electrical isolation circuitry, the connectors configured to be coupled to the circuit card,

wherein the network bus coupler is configured to couple a bus to a device connected to the circuit card.

2. (Original) The network bus coupler as claimed in claim 1, wherein said connectors comprise a plurality of pins.

3. (Original) The network bus coupler as claimed in claim 2, wherein said pins are adapted for insertion into sockets.

4. (Previously Presented) The network bus coupler as claimed in claim 3, wherein said sockets are contained in the circuit card of a junction box.

5. (Original) The network bus coupler as claimed in claim 1, wherein said isolation circuitry includes an isolation transformer.

6. (Original) The network bus coupler as claimed in claim 1, including:
a bus terminator disposed in said housing and electrically coupled to a connector disposed exterior of said housing.

7. (Currently Amended) A system for coupling a device to a bus, said system comprising:
a junction box electrically coupled to said device and to said bus;

a circuit card disposed in said junction box, said circuit card including a plurality of sockets; and,

a modular network bus coupler mountable to said circuit card and configured to couple the bus to the device connected to the circuit card, said bus coupler comprising:

a housing;
electrical isolation circuitry disposed within the housing; and,
a plurality of pins disposed exterior of the housing and engageable with at least some of said sockets of said circuit card, at least some of said pins being electrically coupled to said electrical isolation circuitry.

8. (Original) The system as claimed in claim 7, wherein said isolation circuitry includes an isolation transformer.

9. (Original) The system as claimed in claim 7, including:
a bus terminator disposed in said housing and electrically coupled to a pair of said pins.

10. (Original) The system as claimed in claim 7, wherein said device is an avionics component and said bus is an aircraft data bus.

11. (New) A network bus coupler mountable on a circuit card, the network bus coupler comprising:

a housing configured to house essentially an electrical isolation circuitry; and,
connectors disposed exterior of the housing and electrically coupled to the electrical isolation circuitry, the connectors configured to be coupled to the circuit card,
wherein the network bus coupler is configured to couple a bus to a device connected to the circuit card.

12. (New) A network bus coupler mountable on a circuit card, the network bus coupler consisting essentially of:

a housing configured to house an electrical isolation circuitry; and,
connectors disposed exterior of the housing and electrically coupled to the electrical isolation circuitry, the connectors configured to be coupled to the circuit card,

wherein the network bus coupler is configured to couple a bus to a device connected to the circuit card.